Title (en)
TRANSFLECTIVE DISPLAYS

Title (de)
TRANSFLEKTIVE ANZEIGEN

Title (fr)
DISPOSITIFS D'AFFICHAGE TRANSFLECTIFS

Publication
EP 2598941 B1 20160106 (EN)

Application
EP 10855421 A 20100726

Priority
US 2010043252 W 20100726

Abstract (en)
[origin: WO2012015387A1] A transflective display (10) includes a backlight (14) and a display stack (12, 12'). The display stack (10) includes a first electro-optic layer (24) configured to modulate light of a first waveband and a second electro-optic layer (26) configured to modulate light of a second waveband that is different from the first waveband. A mirror (30) is positioned between the first and second electro-optic layers (24, 26) such that the first electro-optic layer (24) is positioned adjacent to a first surface (S1M) of the mirror (30) and has a surface (S1) that is configured to face an external light source (22), and the second electro-optic layer (26) is positioned adjacent to a second surface (S2M) of the mirror (30) and has a surface (S2) that is configured to face the backlight (14). The mirror (30) is also configured to partially reflect and partially transmit wavelengths in the first waveband and to at least partially transmit wavelengths in the second waveband.

IPC 8 full level
G02F 1/1335 (2006.01); **G02F 1/1347** (2006.01)

CPC (source: EP US)
G02F 1/133555 (2013.01 - EP US); **G02F 1/1347** (2013.01 - EP US); **G02F 1/13475** (2013.01 - EP US); G02F 1/133557 (2021.01 - EP US); G02F 1/133602 (2013.01 - EP US); G02F 1/133616 (2021.01 - EP US); G02F 2203/09 (2013.01 - EP US); G02F 2203/34 (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2012015387 A1 20120202; CN 103119507 A 20130522; CN 103119507 B 20160608; EP 2598941 A1 20130605; EP 2598941 A4 20140423; EP 2598941 B1 20160106; TW 201213989 A 20120401; TW I447498 B 20140801; US 2013120700 A1 20130516; US 9013655 B2 20150421

DOCDB simple family (application)
US 2010043252 W 20100726; CN 201080069269 A 20100726; EP 10855421 A 20100726; TW 100110119 A 20110324; US 201013811726 A 20100726